

Title (en)

DETERMINING ELEVATOR CAR LOCATION USING RADIO FREQUENCY IDENTIFICATION

Title (de)

BESTIMMUNG DES STANDORTES EINER AUFZUGSKABINE MITTELS HOCHFREQUENZIDENTIFIKATION

Title (fr)

DÉTERMINATION DE L'EMPLACEMENT D'UNE CABINE D'ASCENSEUR À L'AIDE DE L'IDENTIFICATION DE FRÉQUENCES RADIO

Publication

**EP 3640179 A1 20200422 (EN)**

Application

**EP 19194740 A 20190830**

Priority

IN 201811032615 A 20180830

Abstract (en)

Methods and systems for determining elevator car locations are provided. Aspects includes operating, by a processor, a sensor (310) to obtain tag data from a tag (316, 318) within a range of the sensor (310), wherein the tag (316, 318) is affixed to at least one landing (206, 308) of a plurality of landings in a hoistway of a building, wherein the sensor (310) is affixed to a moving component of an elevator car (304) operating in the hoistway of the building and analyzing the tag data to determine a position of the elevator car (304) in the hoistway of the building.

IPC 8 full level

**B66B 1/34** (2006.01)

CPC (source: CN EP US)

**B66B 1/3423** (2013.01 - CN); **B66B 1/3453** (2013.01 - US); **B66B 1/3492** (2013.01 - CN EP); **B66B 5/0018** (2013.01 - CN); **B66B 5/0025** (2013.01 - US); **B66B 5/02** (2013.01 - CN)

Citation (search report)

- [XAI] US 2012031710 A1 20120209 - MERI TIMO [FI], et al
- [XAI] WO 2015059821 A1 20150430 - MITSUBISHI ELECTRIC CORP [JP]
- [XAI] EP 3150535 A1 20170405 - INVENTIO AG [CH]

Cited by

EP4174007A1; WO2023188164A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**US 2020071126 A1 20200305**; CN 110872039 A 20200310; CN 110872039 B 20220419; EP 3640179 A1 20200422; EP 3640179 B1 20230705

DOCDB simple family (application)

**US 201916543675 A 20190819**; CN 201910808719 A 20190829; EP 19194740 A 20190830